

MSFC Handling Classification Form

National Aeronautics and
Space Administration



Program/Project/Activity Item

Note: This Form cannot be used as a waiver to any MSFC Quality System requirement.

Equipment/Item is determined to be Program Critical Hardware as defined by MWI 6410.1.

[LINK TO MWI 6410.1](#)

See paragraphs 5.2.11-5.2.15.

Check one ☐ **YES** Handling will be performed in accordance with MWI 6410.1.

☐ **NO** Provide justification below.

Item is determined to be Critical Lift as defined by page 2 of this form, Critical-Lift Decision Process.

Complete page 2.

Check one ☐ **YES** Handling will be performed in accordance with MWI 6430.1.

☐ **NO** Handling will be performed in accordance with Standard Operating Procedure.

Item is to be handled with Standard Operating Procedure with additional documentation requested:

Requested by:

Org. Code

<input type="checkbox"/>	Detailed Move Procedure		
<input type="checkbox"/>	Test Preparation Sheet (MSFC Form 0248)		
<input type="checkbox"/>	Itemized Lifting Equipment		
<input type="checkbox"/>	Acceleration/Shock		
<input type="checkbox"/>	Temperature/Humidity		
<input type="checkbox"/>	Quality Sensitive per MPR 8730.1		
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

Name/Signature

Org. Code

Requesting Department/Program/Project Manager		
Logistics Services Office Group Lead/Team Lead		
MSFC Safety Office Group Lead/Team Lead		
MSFC Quality Office Group Lead/Team Lead		

Critical-Lift Decision Process

Read both questions presented below and answer "YES" or "NO" to all parts of each question.

If all of the responses are "NO," the lift operation is classified as NON-CRITICAL. If the response to at least one question is "YES," the lift operation is classified as CRITICAL.

	YES	NO
1. Does the load to be lifted meet one of the following criteria used to define a critical load?	<input type="checkbox"/>	<input type="checkbox"/>
1a. Assemblies with close tolerances or delicate construction which could be damaged by improper handling and such resulting damage could compromise a flight vehicle, payload, or the safety of personnel, regardless of whether the item is considered "Flight Hardware." (Reference MWI 6410.1.)	<input type="checkbox"/>	<input type="checkbox"/>
1b. Equipment, hardware, software, and items returned from space. A special designation by the assigned program office shall be required for a returned item to be handled as Critical. (Reference MWI 6410.1.)	<input type="checkbox"/>	<input type="checkbox"/>
1c. Lifting or lowering operations with special, high-dollar items (i.e., spacecraft, one-of-a-kind articles, or major facility components) whose loss can have serious programmatic impact. (Reference NASA-STD-8719.9)	<input type="checkbox"/>	<input type="checkbox"/>
1d. Composite or bonded structures (used in the construction of MSFC manned vehicle or payload hardware) which have been identified as being susceptible to impact damage and are defined as such within the applicable Damage Threat Assessment or Impact Damage Protection Plan. (Reference MSFC-RQMT-3479)	<input type="checkbox"/>	<input type="checkbox"/>
2. Does the planned lifting or lowering operation involve special personnel and device/equipment safety concerns beyond normal lifting hazards such as the following? (Reference NASA-STD-8719.9)	<input type="checkbox"/>	<input type="checkbox"/>
2a. Lifting/lowering personnel with cranes.	<input type="checkbox"/>	<input type="checkbox"/>
2b. Lifting/lowering hazardous materials such as explosives.	<input type="checkbox"/>	<input type="checkbox"/>
2c. Performing a two-point lift using two or more cranes or lifting devices (i.e., jacks, fork lifts,) to lift/lower a single load. (See note below.)	<input type="checkbox"/>	<input type="checkbox"/>
2d. Operations that require personnel to be beneath a suspended load. (Reference NASASTD-8719.9, Appendix C.)	<input type="checkbox"/>	<input type="checkbox"/>
2e. There is a high probability of damage to the lifting device or equipment which can result in significant repair costs and/or schedule delays for future lift operations.	<input type="checkbox"/>	<input type="checkbox"/>
2f. The mechanics of the lifting and handling operation itself create a high probability of damage to facilities, devices, equipment, and/or the load.	<input type="checkbox"/>	<input type="checkbox"/>

NOTE: S&MA ISB may review the two-point lift and waive critical-lift requirements at its discretion, due to the mechanics, configuration, and operation to be performed. This is not applicable to two-point lifts designated as "Critical Lifts" meeting the criteria of Question 1.